

HW p 5-8 1, 3-6, 8-11, 17-24, 43

1. a. point Q b. line segment MN c. ray ST
d. line FG

3. \overleftrightarrow{QW} , line g (4.) plane QRT (vary)

5. R, Q, S; not W or T (6.) W

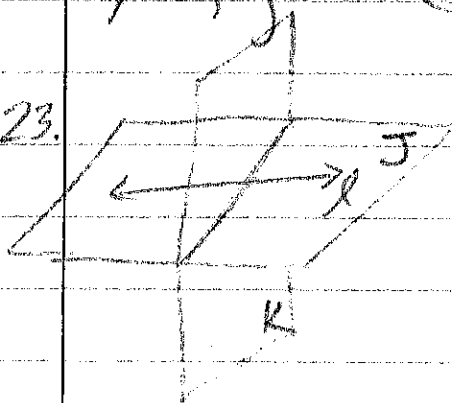
8. \overline{YZ} (9.) \vec{VF} \vec{VX} \vec{VW} \vec{VZ}

10. $\vec{VF} + \vec{VZ}$; $\vec{VW} + \vec{VX}$ (11.) \vec{WX}

17. R (18.) \overleftrightarrow{FG} (19.) \overleftrightarrow{RS} (20.) no; yes

21. yes; yes (22.) ^{vary} plane EHF, plane EHR, plane EPQ

23.



24. \vec{AC} \vec{AB} \vec{CA} \vec{BA} \vec{CB}
 \vec{BC} \vec{CD} \vec{DC} \vec{BE} \vec{EB}
opp. $\vec{CD} = \vec{CA}$ $\vec{BA} = \vec{BE}$

43. Four pts might not be coplanar. No, b/c
3 noncollinear points determine a unique plane.